

Coalition.

DECISION ID 89019

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: DDD (Dichlorodiphenyldichloroethane)
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality objective.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality objective and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Line of Evidence (LOE) for Decision ID 89019, DDD
(Dichlorodiphenyldichloroethane)****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 78774

Pollutant: DDD (Dichlorodiphenyldichloroethane)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: Total

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0
 Number of Exceedances: 0

Data and Information Type: Fixed station physical/chemical (conventional plus toxic pollutants)
 Data Used to Assess Water Quality: The DDD method detection limit for all twelve samples collected from Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) are greater than the criterion; therefore, the data could not be assessed with the accuracy required by the Listing Policy

Data Reference: [Data for Metals and Nutrients for the City of Anderson, 2006-2008.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Sacramento/San Joaquin River Basin Plan (CVRWQCB, 2007) Pesticides: Total identifiable persistent chlorinated hydrocarbon pesticides shall not be present in the water column at concentrations detectable within the accuracy of analytical methods approved by the Environmental Protection Agency or the Executive Officer.- California Toxics Rule Criteria (USEPA, 2000), for Inland Surface Waters based on drinking water and aquatic organism consumption. The criteria are based on human health protection for carcinogenicity at 1-in-a-million risk level (30-day average) with a limit of 0.00083 ug/L for DDD

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Objective/Criterion Reference: [National Recommended Water Quality Criteria. United States Environmental Protection Agency. Office of Water. Office of Science and Technology.](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Six water samples were collected from one monitoring site on Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) [Dry Creek at Alta Mesa Road - 511XDCGLT]. Each water sample was analyzed for DDD(o,p') and DDD(p,p') (a total of twelve sample results).

Temporal Representation: The samples were collected intermittently on six dates between 2/11/2007 and 12/20/2007

Environmental Conditions:
 QAPP Information: The data was collected under the Irrigated Lands Regulatory Program.
 QAPP Information Reference(s):

DECISION ID 83518**Region 5**

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: DDE (Dichlorodiphenyldichloroethylene)
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of zero samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of zero samples exceeded the criteria for MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83518, DDE**Region 5**

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**(Dichlorodiphenyldichloroethylene)****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 78870

Pollutant: DDE (Dichlorodiphenyldichloroethylene)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: Total

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0
 Number of Exceedances: 0

Data and Information Type: Fixed station physical/chemical (conventional plus toxic pollutants)
 Data Used to Assess Water Quality: The DDE method detection limit for all twelve samples collected from Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) are greater than the criterion; therefore, the data could not be assessed with the accuracy required by the Listing Policy

Data Reference: [Data for Metals and Nutrients for the City of Anderson, 2006-2008.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Sacramento/San Joaquin River Basin Plan (CVRWQCB, 2007) Pesticides: Total identifiable persistent chlorinated hydrocarbon pesticides shall not be present in the water column at concentrations detectable within the accuracy of analytical methods approved by the Environmental Protection Agency or the Executive Officer.- California Toxics Rule Criteria (USEPA, 2000), for Inland Surface Waters based on drinking water and aquatic organism consumption. The criteria are based on human health protection for carcinogenicity at 1-in-a-million risk level (30-day average) with a limit of 0.00059 ug/L for DDE

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Objective/Criterion Reference: [National Recommended Water Quality Criteria, United States Environmental Protection Agency, Office of Water, Office of Science and Technology](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Six water samples were collected from one monitoring site on Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) [Dry Creek at Alta Mesa Road - 511XDCGLT]. Each water sample was analyzed for DDE(o,p') and DDE(p,p') (a total of twelve sample results).

Temporal Representation: The samples were collected intermittently on six dates between 2/11/2007 and 12/20/2007

Environmental Conditions:
 QAPP Information: The data was collected under the Irrigated Lands Regulatory Program.
 QAPP Information Reference(s):

DECISION ID 89020**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

Pollutant: DDT (Dichlorodiphenyltrichloroethane)
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, and zero of the zero samples exceed the water quality criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, and zero of the zero samples exceed the water quality criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89020, DDT**Region 5**

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**(Dichlorodiphenyltrichloroethane)****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62750

Pollutant: DDT (Dichlorodiphenyltrichloroethane)

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 0

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: The reporting limit is greater than the criterion and, therefore, the sample results could not be assessed. 0 of 0 samples exceed the criterion for DDT (Dichlorodiphenyltrichloroethane).

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The DDT criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.001 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

**Line of Evidence (LOE) for Decision ID 89020, DDT
(Dichlorodiphenyltrichloroethane)**

Region 5**Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62749

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

Pollutant: DDT (Dichlorodiphenyltrichloroethane)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

 Beneficial Use: Municipal & Domestic Supply

 Number of Samples: 0
 Number of Exceedances: 0

 Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: The reporting limit is greater than the criterion and, therefore, the sample results could not be assessed. 0 of 0 samples exceed the criterion for DDT (Dichlorodiphenyltrichloroethane).
 Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

 SWAMP Data: Non-SWAMP

 Water Quality Objective/Criterion: The criterion for total DDT to protect human health from consumption of water and organisms is 0.00059 ug/L (California Toxics Rule).
 Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

 Evaluation Guideline:
 Guideline Reference:

 Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]
 Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.
 QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89100

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Demeton
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

**Regional Board
Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**Regional Board Decision
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:****State Board Decision
Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89100, Demeton**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:	62751
Pollutant:	Demeton
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	6

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Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Demeton.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: The USEPA Recommended Water Aquatic Life criterion continuous concentration for demeton in freshwater is 0.1 ug/L.

Guideline Reference: [National Recommended Water Quality Criteria, United States Environmental Protection Agency, Office of Water, Office of Science and Technology.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83564

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Diazinon**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Listing Decision:****Revision Status** Original**Impairment from** Pollutant**Pollutant or Pollution:**

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

pollutant. Zero of six samples exceed the evaluation guideline for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceed the evaluation guideline for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83564, Diazinon

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62752

Pollutant: Diazinon
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Diazinon.

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The freshwater chronic criterion value for diazinon is 0.1 ug/L, expressed as a continuous concentration (Finlayson, 2004).

Guideline Reference: [Water quality for diazinon. Memorandum to J. Karkoski, Central Valley RWQCB. Rancho Cordova, CA: Pesticide Investigation Unit, CA Department of Fish and Game](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89387

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Dieldrin

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COMM, and zero of the six samples exceed the water quality criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COMM, and zero of the six samples exceed the water quality criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89387, Dieldrin **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62760

Pollutant: Dieldrin
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 0
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Dieldrin. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition](#),

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml[2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Dieldrin criterion for the protection of human health from consumption of organisms only, is 0.00014 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California, 7/1/2011 Edition](#)Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)**Line of Evidence (LOE) for Decision ID 89387, Dieldrin****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62761

Pollutant: Dieldrin
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Dieldrin.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Dieldrin criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.056 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric](#)

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml[criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89387, Dieldrin**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62759

Pollutant: Dieldrin
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Dieldrin. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The criterion for Dieldrin to protect human health from the consumption of water and organisms is 0.00014 ug/L (California Toxics Rule).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

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Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89102

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Disulfoton

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

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**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89102, Disulfoton

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62768

Pollutant: Disulfoton
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Disulfoton.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: The USEPA National Recommended Water Quality criterion for disulfoton in freshwater (0.05 ug/L) is an aquatic life maximum (instantaneous) level.

Guideline Reference: [National Recommended Water Quality Criteria, United States Environmental Protection Agency, Office of Water, Office of Science and Technology.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

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QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83144

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Diuron

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the evaluation guideline for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceed the evaluation guideline for COLD, and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83144, Diuron**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:	78567
Pollutant:	Diuron
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Aquatic Life Use:	Cold Freshwater Habitat
Number of Samples:	6
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support. None of the six sample results were detected at levels above the Diuron criterion of 1.3 ug/L.
Data Reference:	Data for Various Pollutants in Westside San Joaquin Water Quality Coalition, 2004-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses.
Objective/Criterion Reference:	Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition
Evaluation Guideline:	Aquatic life water quality criteria derived via the UC Davis method: III. Diuron. Reviews of Environmental Contamination and Toxicology 216:105-141. The acute exposure (4-day average) value for Diuron is 1.3 ug/L.
Guideline Reference:	Aquatic life water quality criteria derived via the UC Davis method: III. Diuron. Reviews of Environmental Contamination and Toxicology 216:105-141.
Spatial Representation:	Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected from one monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT].
Temporal Representation:	Data was collected monthly between 2/11/2007 and 12/20/2007.
Environmental Conditions:	Staff is not aware of any special conditions that might affect interpretation of the data.
QAPP Information:	Data for this line of evidence was collected as part of the Irrigated Lands Regulatory Program.
QAPP Information Reference(s):	

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**DECISION ID****83251****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

Pollutant: Endosulfan sulfate
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for MUN and zero of six samples exceed the criteria for COMM.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for MUN and zero of six samples exceed the criteria for COMM and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83251, Endosulfan sulfate**Region 5**

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LOE ID: 62771

Pollutant: Endosulfan sulfate
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endosulfan sulfate.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endosulfan Sulfate criterion for the protection of human health from consumption of organisms only is 240 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83251, Endosulfan sulfate**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62770

Pollutant: Endosulfan sulfate
 LOE Subgroup: Pollutant-Water
 Matrix: Water

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Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endosulfan sulfate.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endosulfan Sulfate criterion for the protection of human health from consumption of water and organisms is 110 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89103

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Endrin**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Listing Decision:****Revision Status** Original**Impairment from** Pollutant**Pollutant or Pollution:****Regional Board**

Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

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Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the six samples exceed the water quality criteria for MUN, zero of the six samples exceed the water quality criteria for COMM, and zero of the six samples exceed the water quality criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the water quality criteria for MUN, zero of the six samples exceed the water quality criteria for COMM, and zero of the six samples exceed the water quality criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89103, Endrin

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	62778
Pollutant:	Endrin
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	6
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING

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Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endrin.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endrin criterion for the protection of human health from the consumption of water and organisms is 0.76 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89103, Endrin

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62779

Pollutant: Endrin

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endrin.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

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Water Quality Objective/Criterion: The Endrin criterion for the protection of human health from consumption of organisms only is 0.81 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89103, Endrin

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62780

Pollutant: Endrin

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endrin.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endrin criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.036 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

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Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89189

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Endrin aldehyde

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of the six samples exceed the water quality criteria for MUN, and zero of the six samples exceed the water quality criteria for COMM.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the water quality criteria for MUN, and zero of the six samples exceed the water quality criteria for COMM and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the

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power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89189, Endrin aldehyde **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62781

Pollutant: Endrin aldehyde

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endrin Aldehyde.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Total identifiable persistent chlorinated hydrocarbon pesticides shall not be present in the water column at concentrations detectable within the accuracy of analytical methods approved by the Environmental Protection Agency or the Executive Officer (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

of the data.
 QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89189, Endrin aldehyde**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62782

Pollutant: Endrin aldehyde
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endrin Aldehyde.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endrin Aldehyde criterion for the protection of human health from consumption of organisms only is 0.81 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**DECISION ID****89191****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)****Pollutant:** **Heptachlor****Final Listing Decision:** **Do Not List on 303(d) list (TMDL required list)****Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation:

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:**State Board Decision Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89191, Heptachlor**Region 5**

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62993

Pollutant: Heptachlor
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 0

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Heptachlor criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.0038 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89191, Heptachlor**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62975

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Pollutant: Heptachlor
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 0
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Heptachlor criterion for the protection of human health from consumption of organisms only is 0.00021 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89191, Heptachlor

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62974

Pollutant: Heptachlor
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

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Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The CTR objective for Heptachlor to protect human health from the consumption of water and organisms is 0.00021 ug/L.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 100129

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Heptachlor epoxide

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

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Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**Line of Evidence (LOE) for Decision ID 100129, Heptachlor epoxide
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)** **Region 5**

LOE ID:	62996
Pollutant:	Heptachlor epoxide
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	0
Number of Exceedances:	0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

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Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor epoxide. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Heptachlor Epoxide criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.0038 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 100129, Heptachlor epoxide

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62995

Pollutant: Heptachlor epoxide

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 0

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor epoxide. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the

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objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Heptachlor Epoxide criterion for the protection of human health from consumption of organisms only is 0.00011 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 100129, Heptachlor epoxide

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62994

Pollutant: Heptachlor epoxide
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Heptachlor epoxide. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

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SWAMP Data:

Non-SWAMP

Water Quality Objective/Criterion: The CTR objective for Heptachlor epoxide to protect human health from the consumption of water and organisms is 0.0001 ug/L.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 75715

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Indicator Bacteria**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the CWA section 303(d) List under section 3.2 of the Listing Policy. Under section 3.2 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Three of thirteen samples exceed the USEPA recommended objective for single sample maximum allowable density of E. coli in freshwater designated beach areas of 235 MPN/100 mL for REC-1.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List. This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Three of thirteen samples exceed the USEPA recommended objective for single sample maximum allowable density of E. coli in freshwater designated beach areas

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of 235 MPN/100 mL for REC-1 and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 26 samples is needed to determine if a beneficial use is fully supported using table 3.2.

4. Pursuant to Section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 75715, Indicator Bacteria **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	62789
Pollutant:	Escherichia coli (E. coli)
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Water Contact Recreation
Number of Samples:	6
Number of Exceedances:	2
Data and Information Type:	PATHOGEN MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 2 of 6 samples exceed the criterion for Escherichia coli.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	Waters shall not contain chemical constituents in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River and San Joaquin River Basins)
Objective/Criterion Reference:	Water Quality Control Plan for the Tulare Lake Basin Second Edition. rev. Jan 2004
Evaluation Guideline:	The USEPA recommended objective for single sample maximum

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allowable density of E. coli in freshwater designated beach areas is 235 MPN/100mL.

Guideline Reference: [Ambient Water Quality Criteria for Bacteria - 1986. EPA440/5-84-002](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 75715, Indicator Bacteria

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 22020

Pollutant: Escherichia coli (E. coli)

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Water Contact Recreation

Number of Samples: 7

Number of Exceedances: 1

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: The Sac Valley Water Quality Coalition collected 7 samples from March 2006 to September 2006. One out of 7 samples exceeded the evaluation objective.

Data Reference: [Revised Draft of the 2007 Review of the Monitoring Data for the Irrigated Lands Regulatory Conditional Waiver Program Monitoring and Reporting Program, Order Nos. R5-2003-0826, R5-2005-0833, and R5-2008-0005 for Coalition Groups Under Resolution No. R5-2003-0105, Conditional Waiver of Waste Discharge Requirements for Discharges From Irrigated Lands Within the Central Valley Region](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. The objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances.

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Objective/Criterion Reference: [Ambient Water Quality Criteria for Bacteria - 1986. EPA440/5-84-002](#)

Evaluation Guideline: The USEPA E. Coli objective of 235/100 mL in any single sample

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(USEPA 1986).

Guideline Reference:

[Ambient Water Quality Criteria for Bacteria - 1986. EPA440/5-84-002](#)

Spatial Representation:

Samples were collected from Dry Creek at Alta Mesa Road.

Temporal Representation:

Sampling occurred from March 2006 to September 2006.

Environmental Conditions:

QAPP Information:

Data quality: Good. Monitoring was conducted in accordance with Central Valley Water Board Monitoring and Reporting Program (order number R5-2003-0826) requirements (CVRWQCB, 2003)

QAPP Information Reference(s):

DECISION ID**83415****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)****Pollutant:****Lead****Final Listing Decision:****Do Not List on 303(d) list (TMDL required list)****Last Listing Cycle's Final**

Do Not List on 303(d) list (TMDL required list)(2016)

Listing Decision:**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six exceed the criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision**Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of

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**Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**Line of Evidence (LOE) for Decision ID 83415, Lead Region 5
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62997

Pollutant: Lead
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed agwaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Lead.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Toxics Rule (CTR) lists criterion continuous concentrations (4-day average) to protect aquatic life in freshwater. The chromium criterion in freshwater is hardness-dependent for each sample and varies based on the ambient hardness during sampling. Section (b)(1) in CTR contains the hardness-dependent formula for metals criteria.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality](#)

Coalition.

DECISION ID 89278

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Lindane/gamma Hexachlorocyclohexane (gamma-HCH)**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COLD, and zero of the zero samples exceed the water quality criteria for COMM and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation:

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:**State Board Decision Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89278, Lindane/gamma Hexachlorocyclohexane (gamma-HCH)**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63013

Pollutant: Lindane/gamma Hexachlorocyclohexane (gamma-HCH)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for HCH, gamma.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The gamma-HCH (Lindane) criterion maximum concentration to protect aquatic life in freshwater is 0.95 ug/L (California Toxics Rule, 2000).
 Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89278, Lindane/gamma Hexachlorocyclohexane (gamma-HCH)**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63012

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Pollutant: Lindane/gamma Hexachlorocyclohexane (gamma-HCH)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for HCH, gamma.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The HCH, Gamma (Lindane) for the protection of human health from the consumption of organisms only is 0.063 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 89278, Lindane/gamma Hexachlorocyclohexane (gamma-HCH)

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63011

Pollutant: Lindane/gamma Hexachlorocyclohexane (gamma-HCH)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

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Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for HCH, gamma.
 Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California primary maximum contaminant level for HCH, gamma (Lindane) is 0.2 ug/L.
 Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals. CCR Title 22](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]
 Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.
 QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83468

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Malathion
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the evaluation guideline for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-

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pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceed the evaluation guideline for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83468, Malathion **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	63015
Pollutant:	Malathion
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	6
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Malathion.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP

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Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The Basin Plan states: "Where valid testing has developed 96-hour LC50 values for aquatic organisms..., the Board will consider one tenth of this value for the most sensitive species tested as the upper limit (daily maximum) for the protection of aquatic life... or [O]ther available information on the pesticide..." Aquatic life should not be affected unacceptably if the 4-day average concentration of Malathion, 0.028 ug/L, is not exceeded more than once every three years on the average (UC Davis Aquatic Life Criterion).

Guideline Reference: [OPP Pesticide Ecotoxicity Database.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83523

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Methomyl**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the evaluation guideline for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

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This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the evaluation guideline for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83523, Methomyl **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	63028
Pollutant:	Methomyl
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	6
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Methomyl.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control

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Objective/Criterion Reference:	Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin) Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed
Evaluation Guideline:	The Basin Plan states: "Where valid testing has developed 96-hour LC50 values for aquatic organisms..., the Board will consider one tenth of this value for the most sensitive species tested as the upper limit (daily maximum) for the protection of aquatic life... or [O]ther available information on the pesticide..." The criteria continuous concentration for Methomyl is 0.5 ug/L (4-day average). (CDFG, 1996)
Guideline Reference:	OPP Pesticide Ecotoxicity Database.
Spatial Representation:	Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]
Temporal Representation:	Data was collected over the time period 2/11/2007-12/20/2007.
Environmental Conditions:	Staff is not aware of any special conditions that might affect interpretation of the data.
QAPP Information:	The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
QAPP Information Reference(s):	Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.

DECISION ID

89358

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant:	Methoxychlor
Final Listing Decision:	Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision:	Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status	Original
Impairment from Pollutant or Pollution:	Pollutant

Regional Board Conclusion:

This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of the six samples exceed the water quality criteria for MUN, and zero of the six samples exceed the water quality criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.

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3. Zero of the six samples exceed the water quality criteria for MUN, and zero of the six samples exceed the water quality criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.

4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89358, Methoxychlor **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	63029
Pollutant:	Methoxychlor
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	6
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Methoxychlor.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	The California primary maximum contaminant level for Methoxychlor, 30 ug/L, is incorporated by reference into the (Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins).
Objective/Criterion Reference:	Maximum Contaminant Levels for organic and inorganic chemicals, CCR Title 22

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Evaluation Guideline:

Guideline Reference:

Spatial Representation:

Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation:

Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions:

Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information:

The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s):

[Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)**Line of Evidence (LOE) for Decision ID 89358, Methoxychlor****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:

63040

Pollutant:

Methoxychlor

LOE Subgroup:

Pollutant-Water

Matrix:

Water

Fraction:

None

Beneficial Use:

Cold Freshwater Habitat

Number of Samples:

6

Number of Exceedances:

0

Data and Information Type:

PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:

Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Methoxychlor.

Data Reference:

[Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data:

Non-SWAMP

Water Quality Objective/Criterion:

Total identifiable persistent chlorinated hydrocarbon pesticides shall not be present in the water column at concentrations detectable within the accuracy of analytical methods approved by the Environmental Protection Agency or the Executive Officer (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference:

[Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation:

Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

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Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.
 QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89359**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

Pollutant: Methyl Parathion
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Conclusion and Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89359, Methyl Parathion **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63041

Pollutant: Methyl Parathion
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Parathion, Methyl.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The California Department of Fish and Game instantaneous aquatic life criterion for Methyl Parathion is 0.08 ug/L.

Guideline Reference: [Hazard Assessment of the Insecticide Methyl Parathion to Aquatic Organisms in the Sacramento River System. California Department of Fish and Game. Environmental Services Division. Administrative Report 92-1](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

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QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89360

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Mirex

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status

Original

Impairment from

Pollutant

Pollutant or Pollution:

Regional Board

Conclusion:

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation:

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation:

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Line of Evidence (LOE) for Decision ID 89360, Mirex****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 79451

Pollutant: Mirex
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Mirex.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Water Quality Control Plan, Central Valley Region Sacramento River Basin and San Joaquin River Basin: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses.

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The criterion continuous concentraion for Mirex is 0.001 ug/l from the National Recommended Water Quality Criteria.

Guideline Reference: [National Recommended Water Quality Criteria. United States Environmental Protection Agency. Office of Water. Office of Science and Technology.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

DECISION ID 89441**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

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Pollutant: Monuron
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89441, Monuron **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 79452

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

Pollutant: Monuron
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Monuron.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Water Quality Control Plan, Central Valley Region Sacramento River Basin and San Joaquin River Basin: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses.

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The evaluation guideline for monuron, 330 ug/L, is one-tenth of the median lethal concentration (LC50). The 1/10 LC50 for monuron is 330 ug/L (USEPA Office of Pesticide Programs Ecotoxicity database).

Guideline Reference: [OPP Pesticide Ecotoxicity Database.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

DECISION ID 89442

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: N-(4-Chlorophenyl) -N' methylurea / Monuron

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Listing Decision:

Revision Status Original

Impairment from Pollutant

Pollutant or Pollution:

**Regional Board
Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**Regional Board Decision
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:****State Board Decision
Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89442, N-(4-Chlorophenyl) -N' methylurea / Monuron**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63053

Pollutant: N-(4-Chlorophenyl) -N' methylurea / Monuron

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

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Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Monuron.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: The Basin Plan states: "Where valid testing has developed 96-hour LC50 values for aquatic organisms..., the Board will consider one tenth of this value for the most sensitive species tested as the upper limit (daily maximum) for the protection of aquatic life... or [O]ther available information on the pesticide..." The evaluation guideline for monuron, 330 ug/L, is one-tenth of the median lethal concentration (LC50 = 3,300 ug/L) for *Lepomis gibbosus* (Pumpkinseed sunfish). (USEPA Office of Pesticide Programs Ecotoxicity database)

Guideline Reference: [OPP Pesticide Ecotoxicity Database.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83525

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Nickel

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status

Original

Impairment from

Pollutant

Pollutant or Pollution:

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Regional Board
Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for COLD, COMM and MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for COLD, COMM and MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**Regional Board Decision
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:****State Board Decision
Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83525, Nickel**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:	63056
Pollutant:	Nickel
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	6
Number of Exceedances:	0

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Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agwaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Nickel.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Toxics Rule (CTR) lists criterion continuous concentrations (4-day average) to protect aquatic life in freshwater. The chromium criterion in freshwater is hardness-dependent for each sample and varies based on the ambient hardness during sampling. Section (b)(1) in CTR contains the hardness-dependent formula for metals criteria.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83525, Nickel**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63054

Pollutant: Nickel

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Nickel.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition,](#)

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml[2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California primary maximum contaminant level for nickel is 0.1 mg/L.

Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals. CCR Title 22](#)Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)**Line of Evidence (LOE) for Decision ID 83525, Nickel****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63055

Pollutant: Nickel

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Nickel.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Nickel criterion for the protection of human health from consumption of organisms is 4.6 mg/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

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Evaluation Guideline:

Guideline Reference:

Spatial Representation:

Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation:

Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions:

Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information:

The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s):

[Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID

83627

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant:**Nitrogen, Nitrate****Final Listing Decision:****Do Not List on 303(d) list (TMDL required list)****Last Listing Cycle's Final**

Do Not List on 303(d) list (TMDL required list)(2016)

Listing Decision:**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation:

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the

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power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83627, Nitrogen, Nitrate **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63057

Pollutant: Nitrogen, Nitrate
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 2 samples exceed the criterion for Nitrate as N.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California primary maximum contaminant level for nitrate (NO₃ as N) is 10.0 mg/L.

Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals. CCR Title 22](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality](#)

Coalition.

DECISION ID 100127

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Nitrogen, Nitrite
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

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Line of Evidence (LOE) for Decision ID 100127, Nitrogen, Nitrite **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63067

Pollutant: Nitrogen, Nitrite
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Nitrite as N.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California primary maximum contaminant level for nitrite (as N) is 1 mg/L.
 Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals, CCR Title 22](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID **89443** **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Oxamyl (Vydate)
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status Original

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Impairment from
Pollutant or Pollution:**

Pollutant

**Regional Board
Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the six samples exceed the criteria.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the six samples exceed the criteria and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**Regional Board Decision
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:****State Board Decision
Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89443, Oxamyl (Vydate)**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 79453

Pollutant: Oxamyl (Vydate)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

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Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Oxamyl.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Maximum Contaminant Level for Oxamyl incorporated by reference in the Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins is 50 ug/L (Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins).

Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals. CCR Title 22](#)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

DECISION ID 82988

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Oxygen, Dissolved

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status

Original

Impairment from

Pollutant

Pollutant or Pollution:

Regional Board

Conclusion:

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this

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pollutant. Zero of six samples exceed the WQO for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the WQO for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 82988, Oxygen, Dissolved **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63070

Pollutant: Oxygen, Dissolved
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: Dissolved

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data to determine beneficial use support: None of 6 sample results exceed the criterion for Oxygen, Dissolved.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition](#),

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml2005-2009.

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The minimum dissolved oxygen concentration for waters designated as COLD is 7.0 mg/L. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence was collected at one monitoring site [Dry Creek at Alta Mesa Road-511XDGLT].

Temporal Representation: Data was collected approximately monthly between 2/11/2007 and 12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 89444

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Parathion**Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)**Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the zero samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the

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Policy.

3. Zero of the zero samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.

4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 89444, Parathion

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63071

Pollutant: Parathion
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 0
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Parathion, Ethyl. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control

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Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline: The USEPA national ambient water quality chronic criterion (4-hour maximum) for parathion, is 0.013 µg/L, is for freshwater aquatic life.

Guideline Reference: [National Recommended Water Quality Criteria. United States Environmental Protection Agency. Office of Water. Office of Science and Technology.](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83147

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Selenium

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for COLD and zero of six samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for COLD and zero of six samples

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exceeded the criteria for MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.

4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83147, Selenium

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63100

Pollutant: Selenium
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 1 samples exceed the criterion for Selenium.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California primary maximum contaminant level for selenium is 0.05 mg/L.

Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals, CCR Title 22](#)

Evaluation Guideline:
Guideline Reference:

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Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83147, Selenium**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63112

Pollutant: Selenium

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 1 samples exceed the criterion for Selenium.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The selenium criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.005 mg/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality

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Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 83418

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Silver
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of three samples exceed the criteria for COLD and zero of three samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of three samples exceeded the criteria for COLD and zero of three samples exceeded the criteria for MUN and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision After review of this Regional Board decision, SWRCB staff recommend the

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Recommendation:** decision be approved by the State Board.**Line of Evidence (LOE) for Decision ID 83418, Silver****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63113

Pollutant: Silver
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 3
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Silver.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California secondary maximum contaminant level for silver is 0.1 mg/L.

Objective/Criterion Reference: [Secondary Maximum Contaminant Levels and Compliance. CCR Title 22 section 64449.](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 4/17/2007-6/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83418, Silver**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63114

Pollutant: Silver

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LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 3
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed agwaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 3 samples exceed the criterion for Silver.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Toxics Rule (CTR) lists criterion continuous concentrations (4-day average) to protect aquatic life in freshwater. The chromium criterion in freshwater is hardness-dependent for each sample and varies based on the ambient hardness during sampling. Section (b)(1) in CTR contains the hardness-dependent formula for metals criteria.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 4/17/2007-6/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 88391

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Specific Conductivity
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status Original
Impairment from Pollutant or Pollution: Pollutant

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Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.2 of the Listing Policy. Under section 3.2 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Zero of the eight samples exceed the water quality criteria.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the eight samples exceed the water quality criteria and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 26 samples are needed to determine if a beneficial use is fully supported using table 3.2.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

**Regional Board Decision
Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:****State Board Decision
Recommendation:**

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 88391, Specific Conductivity**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:	62769
Pollutant:	Specific Conductivity
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Municipal & Domestic Supply
Number of Samples:	8
Number of Exceedances:	0

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Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 8 samples exceed the criterion for Conductivity(Us).

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California secondary maximum contaminant levels for electrical conductivity provide a range of values including a recommended level (900 uS/cm), an upper level (1,600 uS/cm) and a short-term level (2,200 uS/cm). The recommended level of 900 uS/cm was used as it is protective of all drinking water uses.

Objective/Criterion Reference: [Secondary Maximum Contaminant Levels and Compliance. CCR Title 22 section 64449.](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 88468

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Temperature, water

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.2 of the Listing Policy. Under section 3.2 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant. Three of the six samples exceed the evaluation guideline.

Based on the readily available data and information, the weight of evidence

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indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Three of the six samples exceed the evaluation guideline and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 26 samples are needed to determine if a beneficial use is fully supported using table 3.2.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

**Line of Evidence (LOE) for Decision ID 88468, Temperature, water
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) Region 5**

LOE ID:	63129
Pollutant:	Temperature, water
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	6
Number of Exceedances:	3
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 3 of 6 samples exceed the criterion for Water Temperature.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.

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SWAMP Data:

Non-SWAMP

Water Quality Objective/Criterion: The natural receiving water temperature of intrastate waters shall not be altered unless it can be demonstrated to the satisfaction of the Regional Water Board that such alteration in temperature does not adversely affect beneficial uses (Sacramento-San Joaquin River Basin Plans).

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: Inland Fishes of California (Moyle 1976) states that for rainbow trout the optimum range for growth and completion of most life stages is 13-21 degrees C (page 129).

Guideline Reference: [Inland Fishes of California \(1976\)](#)

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition](#)

DECISION ID 83633**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)****Pollutant:** **Thallium****Final Listing Decision:** **Do Not List on 303(d) list (TMDL required list)****Last Listing Cycle's Final Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of three samples exceed the evaluation guideline for COLD and zero of three samples exceed the criteria for COMM and MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.

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2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of three samples exceeded the evaluation guideline for COLD and zero of three samples exceeded the criteria for COMM and MUN. This sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83633, Thallium

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID:	79099
Pollutant:	Thallium
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Commercial or recreational collection of fish, shellfish, or organisms
Number of Samples:	3
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 3 samples exceed the criterion for Thallium.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	The Thallium criteria for the protection of human health from consumption of organisms only is 6,300 mg/L (California Toxics Rule, 2000).
Objective/Criterion Reference:	Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011

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Evaluation Guideline:

Guideline Reference:

Spatial Representation:

Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation:

Data was collected over the time period 4/17/2007-6/20/2007.

Environmental Conditions:

Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information:

The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

Line of Evidence (LOE) for Decision ID 83633, Thallium**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:

79098

Pollutant:

Thallium

LOE Subgroup:

Pollutant-Water

Matrix:

Water

Fraction:

None

Beneficial Use:

Cold Freshwater Habitat

Number of Samples:

3

Number of Exceedances:

0

Data and Information Type:

PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality:

State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 3 samples exceed the criterion for Thallium.

Data Reference:

[Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data:

Non-SWAMP

Water Quality Objective/Criterion:

All waters shall be maintained free of toxic substances in concentrations which are toxic to, or which produce detrimental physiological responses in, human, plant, animal, or aquatic life. (Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins).

Objective/Criterion Reference:

[Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:

The Gold Book states that thallium chronic toxicity to one species of fish occurs at concentrations as low as 20 ug/L after 2,600 hours of exposure.

Guideline Reference:

[Quality Criteria for Water 1986. United States Environmental Protection Agency. Office of Water. Regulations and Standards. Washington D.C. EPA 440/5-86-001.](#)

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Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 4/17/2007-6/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

Line of Evidence (LOE) for Decision ID 83633, Thallium**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 79100

Pollutant: Thallium

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 3

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: State Water Board staff assessed ILRP data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 3 samples exceed the criterion for Thallium.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Maximum Contaminant Level for thallium incorporated by reference in the Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins is 0.002 mg/L (Water Quality Control Plan, Central Valley Region, Sacramento and San Joaquin Basins).

Objective/Criterion Reference: [Maximum Contaminant Levels for organic and inorganic chemicals. CCR Title 22](#)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 4/17/2007-6/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

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QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed

QAPP Information Reference(s):

DECISION ID 88388

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Thiobencarb/Bolero

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of the one samples exceed the water quality criteria for MUN, and zero of the one samples exceed the evaluation guideline for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the one samples exceed the water quality criteria for MUN, and zero of the one samples exceed the evaluation guideline for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 88388, Thiobencarb/Bolero**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID:	63130
Pollutant:	Thiobencarb/Bolero
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None
Beneficial Use:	Cold Freshwater Habitat
Number of Samples:	1
Number of Exceedances:	0
Data and Information Type:	PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality:	Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 1 samples exceed the criterion for Thiobencarb.
Data Reference:	Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.
SWAMP Data:	Non-SWAMP
Water Quality Objective/Criterion:	No individual pesticide or combination of pesticides shall be present in concentrations that adversely affect beneficial uses. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)
Objective/Criterion Reference:	Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed
Evaluation Guideline:	The Basin Plan states: "Where valid testing has developed 96-hour LC50 values for aquatic organisms..., the Board will consider one tenth of this value for the most sensitive species tested as the upper limit (daily maximum) for the protection of aquatic life... or [O]ther available information on the pesticide..." The evaluation guideline for Thiobencarb, 1.4 ug/L, is a maximum acceptable toxicant concentration (MATC) calculated for Daphnia magna (Water flea). (USEPA Office of Pesticide Programs Ecotoxicity database)
Guideline Reference:	OPP Pesticide Ecotoxicity Database.
Spatial Representation:	Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]
Temporal Representation:	Data was collected on a single day 5/15/2007.
Environmental Conditions:	Staff is not aware of any special conditions that might affect interpretation of the data.
QAPP Information:	The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
QAPP Information Reference(s):	Quality Assurance Project Plan for Sacramento Valley Water Quality

Coalition.**Line of Evidence (LOE) for Decision ID 88388, Thiobencarb/Bolero****Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63131

Pollutant: Thiobencarb/Bolero
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 1
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 1 samples exceed the criterion for Thiobencarb.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: Waters designated for use as domestic or municipal supply (MUN) shall not contain concentrations of Thiobencarb in excess of 1.0 µg/L. (Water Quality Control Plan, Central Valley Region, Sacramento River Basin and San Joaquin River Basin)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins. 4th ed](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected on a single day 5/15/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 88389**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

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Pollutant: Toxaphene
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)
Revision Status: Original
Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the CWA section 303(d) List under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COMM, and zero of the zero samples exceed the water quality criteria for COLD.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the CWA section 303(d) List.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of the zero samples exceed the water quality criteria for MUN, zero of the zero samples exceed the water quality criteria for COMM, and zero of the zero samples exceed the water quality criteria for COLD and this sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples are needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 88389, Toxaphene **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 63143

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Pollutant: Toxaphene
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 0
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Toxaphene. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Toxaphene criterion for the protection of human health from consumption of organisms only is 0.00075 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 88389, Toxaphene**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63142

Pollutant: Toxaphene
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

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Beneficial Use: Municipal & Domestic Supply

Number of Samples: 0
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Toxaphene. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Toxaphene criterion for the protection of human health from the consumption of water and organisms is 0.00073 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 88389, Toxaphene**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 63144

Pollutant: Toxaphene
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 0
Number of Exceedances: 0

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Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 0 samples exceed the criterion for Toxaphene. Six samples were not used in the assessment because the laboratory data reporting limit(s) was above the objective and therefore the results could not be quantified with the level of certainty required by the Listing Policy.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Toxaphene criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.0002 ug/L. (California Toxics Rule, 2000)

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 75299

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Toxicity

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Four lines of evidence are available in the administrative record to assess this pollutant. One of 7 samples tested with ceriodaphnia, 0 of 7 samples tested with fathead minnow, and 0 of 6 samples tested with selenastrum exceeded the narrative

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toxicity objective. One of two sediment samples tested with *Hyalella azteca* exhibited significant toxicity.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification for placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. One of 7 samples tested with ceriodaphnia , 0 of 7 samples tested with fathead minnow, and 0 of 6 samples tested with selenastrum exceeded the narrative toxicity objective. One of two sediment samples tested with *Hyalella azteca* exhibited significant toxicity. This sample size does not exceed the frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation:

This is a decision previously approved by the State Water Resources Control Board and the USEPA. No new data were assessed by the Regional Board for the current cycle. The decision has not changed.

State Board Review of Regional Board Conclusion and Recommendation:

State Board Decision Recommendation:

After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 75299, Toxicity

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 21998

Pollutant: Toxicity
LOE Subgroup: Toxicity
Matrix: Sediment
Fraction: Total

Beneficial Use: Warm Freshwater Habitat
Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 2
Number of Exceedances: 1

Data and Information Type: TOXICITY TESTING
Data Used to Assess Water Quality: One of two samples tested with *Hyalella azteca* was toxic and violated the narrative toxicity objective. The sample collected 21 September 2006 exhibited 30% survival (30% of control).

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

Data Reference: [Revised Draft of the 2007 Review of the Monitoring Data for the Irrigated Lands Regulatory Conditional Waiver Program Monitoring and Reporting Program, Order Nos. R5-2003-0826, R5-2005-0833, and R5-2008-0005 for Coalition Groups Under Resolution No. R5-2003-0105, Conditional Waiver of Waste Discharge Requirements for Discharges From Irrigated Lands Within the Central Valley Region](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances. (CVRWQCB, 2007)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: Statistically significant difference from control sediment using Dunnett's test in 10-day Hyalella azteca sediment toxicity tests. Arcsin squareroot transformation was used when necessary to meet the assumptions of normality and homogeneity of variance. Steel's Many-One Rank Test was used for comparison to control if these assumptions were not met after transformation.

Guideline Reference: [Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates, Second Edition, U.S. Environmental Protection Agency Office of Research and Development, Duluth, MI, U.S. Environmental Protection Agency Office of Water, Washington, DC EPA-600/R-99/064](#)

Spatial Representation: Samples were collected from Dry Creek at Alta Mesa Road.

Temporal Representation: Samples were collected from March - September 2006.

Environmental Conditions:

QAPP Information: Data quality: Excellent. Monitoring was conducted in accordance with Central Valley Water Board Monitoring and Reporting Program (order number R5-2003-0826) requirements (CVRWQCB, 2003)

QAPP Information Reference(s):

Line of Evidence (LOE) for Decision ID 75299, Toxicity

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 21996

Pollutant: Toxicity

LOE Subgroup: Toxicity

Matrix: Water

Fraction: Total

Beneficial Use: Warm Freshwater Habitat

Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 7

Number of Exceedances: 1

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml

Data and Information Type: TOXICITY TESTING

Data Used to Assess Water Quality: One of seven samples tested with Ceriodaphnia dubia were toxic and violated the narrative toxicity objective. The sample collected 16 March 2006 exhibited 60% survival (60% of control).

Data Reference: [Revised Draft of the 2007 Review of the Monitoring Data for the Irrigated Lands Regulatory Conditional Waiver Program Monitoring and Reporting Program, Order Nos. R5-2003-0826, R5-2005-0833, and R5-2008-0005 for Coalition Groups Under Resolution No. R5-2003-0105, Conditional Waiver of Waste Discharge Requirements for Discharges From Irrigated Lands Within the Central Valley Region](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances. (CVRWQCB, 2007)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: Statistically significant difference from control using a t-test with 4-day acute-style toxicity tests.

Guideline Reference: [Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition. U.S. Environmental Protection Agency Office of Water, Washington, DC EPA-821-R-02-012](#)

Spatial Representation: Samples were collected from Dry Creek at Alta Mesa Road.

Temporal Representation: Samples were collected from March - September 2006

Environmental Conditions:

QAPP Information: Data quality: Excellent. Monitoring was conducted in accordance with Central Valley Water Board Monitoring and Reporting Program (order number R5-2003-0826) requirements (CVRWQCB, 2003)

QAPP Information Reference(s):

Line of Evidence (LOE) for Decision ID 75299, Toxicity**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 21999

Pollutant: Toxicity

LOE Subgroup: Toxicity

Matrix: Water

Fraction: Total

Beneficial Use: Warm Freshwater Habitat

Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: TOXICITY TESTING

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtmlData Used to Assess Water Quality: Zero of six samples tested with *Selenastrum capricornutum* were toxic.Data Reference: [Revised Draft of the 2007 Review of the Monitoring Data for the Irrigated Lands Regulatory Conditional Waiver Program Monitoring and Reporting Program, Order Nos. R5-2003-0826, R5-2005-0833, and R5-2008-0005 for Coalition Groups Under Resolution No. R5-2003-0105, Conditional Waiver of Waste Discharge Requirements for Discharges From Irrigated Lands Within the Central Valley Region](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances. (CVRWQCB, 2007)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: Statistically significant difference from control using a t-test with 4-day chronic-style toxicity tests.

Guideline Reference: [Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fourth Edition, U.S. Environmental Protection Agency Office of Water, Washington, DC EPA-821-R-02-013](#)

Spatial Representation: Samples were collected from Dry Creek at Alta Mesa Road.

Temporal Representation: Samples were collected from March - September 2006.

Environmental Conditions:

QAPP Information: Data quality: Excellent. Monitoring was conducted in accordance with Central Valley Water Board Monitoring and Reporting Program (order number R5-2003-0826) requirements (CVRWQCB, 2003)

QAPP Information Reference(s):

Line of Evidence (LOE) for Decision ID 75299, Toxicity**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 21997

Pollutant: Toxicity

LOE Subgroup: Toxicity

Matrix: Water

Fraction: Total

Beneficial Use: Warm Freshwater Habitat

Aquatic Life Use: Warm Freshwater Habitat

Number of Samples: 7

Number of Exceedances: 0

Data and Information Type: TOXICITY TESTING

Data Used to Assess Water Quality: Zero of seven samples tested with *Pimephales promelas* were toxic.Data Reference: [Revised Draft of the 2007 Review of the Monitoring Data for the Irrigated Lands Regulatory Conditional Waiver Program](#)

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[Monitoring and Reporting Program, Order Nos. R5-2003-0826, R5-2005-0833, and R5-2008-0005 for Coalition Groups Under Resolution No. R5-2003-0105, Conditional Waiver of Waste Discharge Requirements for Discharges From Irrigated Lands Within the Central Valley Region](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: All waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life. This objective applies regardless of whether the toxicity is caused by a single substance or the interactive effect of multiple substances. (CVRWQCB, 2007)

Objective/Criterion Reference: [Water Quality Control Plan for the California Regional Water Quality Control Board Central Valley Region, Sacramento and San Joaquin River Basins, 4th ed](#)

Evaluation Guideline: Statistically significant difference from control using a t-test with 4-day acute-style toxicity tests.

Guideline Reference: [Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition. U.S. Environmental Protection Agency Office of Water, Washington, DC EPA-821-R-02-012](#)

Spatial Representation: Samples were collected from Dry Creek at Alta Mesa Road.

Temporal Representation: Samples were collected from March - September 2006

Environmental Conditions:

QAPP Information: Data quality: Excellent. Monitoring was conducted in accordance with Central Valley Water Board Monitoring and Reporting Program (order number R5-2003-0826) requirements (CVRWQCB, 2003)

QAPP Information Reference(s):

DECISION ID 83726

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant: Zinc

Final Listing Decision: Do Not List on 303(d) list (TMDL required list)

Last Listing Cycle's Final Listing Decision: Do Not List on 303(d) list (TMDL required list)(2016)

Revision Status: Original

Impairment from Pollutant or Pollution: Pollutant

Regional Board Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for COLD and zero of six samples exceed the criteria for MUN.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited

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Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for COLD and zero of six samples exceeded the criteria for MUN. This sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list. The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83726, Zinc **Region 5**
Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62915

Pollutant: Zinc
LOE Subgroup: Pollutant-Water
Matrix: Water
Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6
Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
Data Used to Assess Water Quality: Water Board staff assessed Ag Waiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Zinc.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

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Water Quality Objective/Criterion: The California secondary maximum contaminant level for zinc is 5.0 mg/L.

Objective/Criterion Reference: [Secondary Maximum Contaminant Levels and Compliance. CCR Title 22 section 64449.](#)

Evaluation Guideline:
Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83726, Zinc**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62916

Pollutant: Zinc

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agwaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Zinc.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The California Toxics Rule (CTR) lists criterion continuous concentrations (4-day average) to protect aquatic life in freshwater. The chromium criterion in freshwater is hardness-dependent for each sample and varies based on the ambient hardness during sampling. Section (b)(1) in CTR contains the hardness-dependent formula for metals criteria.

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

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Evaluation Guideline:

Guideline Reference:

Spatial Representation:

Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation:

Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions:

Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information:

The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s):

[Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID

83767

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

Pollutant:**alpha-Endosulfan (Endosulfan 1)****Final Listing Decision:****Do Not List on 303(d) list (TMDL required list)****Last Listing Cycle's Final****Listing Decision:** Do Not List on 303(d) list (TMDL required list)(2016)**Revision Status**

Original

Impairment from

Pollutant

Pollutant or Pollution:**Regional Board****Conclusion:**

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

Three lines of evidence are available in the administrative record to assess this pollutant. Zero of six samples exceed the criteria for COLD, COMM and MUN beneficial uses..

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:

1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of six samples exceeded the criteria for COLD, COMM and MUN beneficial uses. This sample size is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating. A minimum of 16 samples is needed to determine if a beneficial use is fully supported using table 3.1.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

Regional Board Decision**Recommendation:**

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list.

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The readily available data and information is insufficient to determine, with the power and confidence of the Listing Policy, the applicable beneficial use support rating.

**State Board Review of
Regional Board
Conclusion and
Recommendation:**

State Board Decision Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Line of Evidence (LOE) for Decision ID 83767, alpha-Endosulfan (Endosulfan 1)

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62861

Pollutant: alpha-Endosulfan (Endosulfan 1)

LOE Subgroup: Pollutant-Water

Matrix: Water

Fraction: None

Beneficial Use: Cold Freshwater Habitat

Number of Samples: 6

Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endosulfan I.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endosulfan I criterion continuous concentration (expressed as a 4-day average) to protect aquatic life in freshwater is 0.056 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:

Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation

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of the data.
 QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.
 QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

Line of Evidence (LOE) for Decision ID 83767, alpha-Endosulfan (Endosulfan 1)

Region 5

Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)

LOE ID: 62860

Pollutant: alpha-Endosulfan (Endosulfan 1)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Commercial or recreational collection of fish, shellfish, or organisms

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING

Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endosulfan I.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endosulfan I criterion for the protection of human health from consumption of organisms only is 240 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.
 Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

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https://www.waterboards.ca.gov/water_issues/programs/tmdl/2020_2022state_ir_reports_revised_final/apx-b/02099.shtml**Line of Evidence (LOE) for Decision ID 83767, alpha-Endosulfan (Endosulfan 1) Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

LOE ID: 62859

Pollutant: alpha-Endosulfan (Endosulfan 1)
 LOE Subgroup: Pollutant-Water
 Matrix: Water
 Fraction: None

Beneficial Use: Municipal & Domestic Supply

Number of Samples: 6
 Number of Exceedances: 0

Data and Information Type: PHYSICAL/CHEMICAL MONITORING
 Data Used to Assess Water Quality: Water Board staff assessed agvaiver data for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) to determine beneficial use support and results are as follows: 0 of 6 samples exceed the criterion for Endosulfan I.

Data Reference: [Data for Various Pollutants in Sacramento Valley Water Quality Coalition, 2005-2009.](#)

SWAMP Data: Non-SWAMP

Water Quality Objective/Criterion: The Endosulfan I criterion for the protection of human health from consumption of water and organisms is 110 ug/L (California Toxics Rule, 2000).

Objective/Criterion Reference: [Code of Federal Regulations 40 part 131.38 Establishment of numeric criteria for priority toxic pollutants for the State of California. 7/1/2011 Edition](#)

Evaluation Guideline:
 Guideline Reference:

Spatial Representation: Data for this line of evidence for Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion) was collected at 1 monitoring site [Dry Creek at Alta Mesa Road - 511XDCGLT]

Temporal Representation: Data was collected over the time period 2/11/2007-12/20/2007.

Environmental Conditions: Staff is not aware of any special conditions that might affect interpretation of the data.

QAPP Information: The Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition was followed.

QAPP Information Reference(s): [Quality Assurance Project Plan for Sacramento Valley Water Quality Coalition.](#)

DECISION ID 88857**Region 5****Dry Creek (Sacramento and San Joaquin Counties; partly in Delta Waterways, eastern portion)**

Pollutant: alpha.-BHC (Benzenehexachloride or alpha-HCH)
Final Listing Decision: Do Not List on 303(d) list (TMDL required list)